

```

graph TD
    2([START]) --> 4[INPUT IMAGE]
    4 --> 6[GENERATE HISTOGRAM]
    6 --> 8[MODEL]
    8 --> 10[OPTIMIZE]
    10 --> 12{ERROR LOW ENOUGH ?}
    12 -- YES --> 14[GENERATE THRESHOLDS]
    12 -- NO --> 8
    14 --> 16[APPLY THRESHOLDS]
    16 --> 18([FINISH])
  
```

Fig. 1

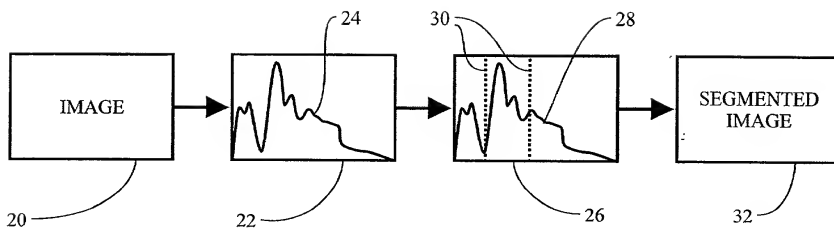


Fig. 2

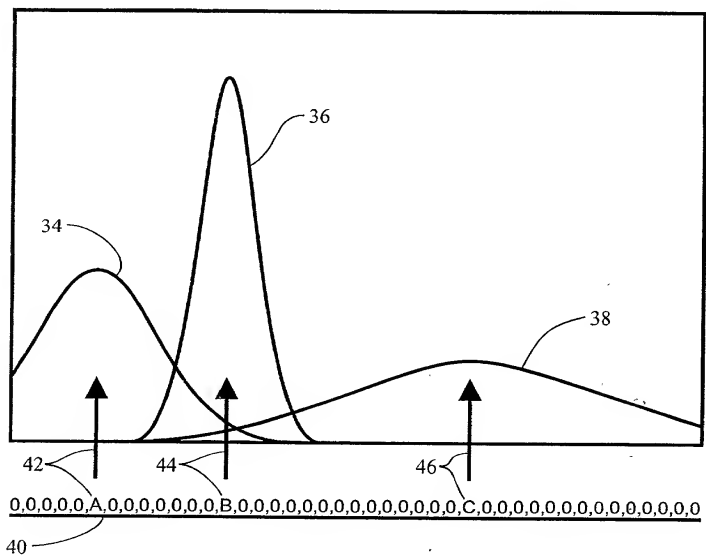


Fig. 3

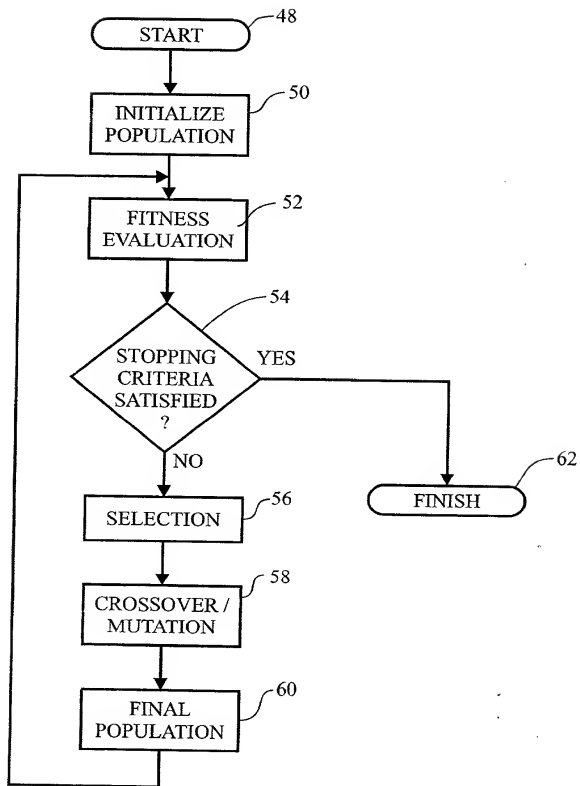


Fig. 4